

S/N 09/706576**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Brian L. Schmidt et al.

Examiner: Andrew M. Dolinar

Serial No.: 09/706,576

Group Art Unit: 3747

Filed: November 3, 2000

Docket No.: 279.268US1

Title: CONFIGURATIONS AND METHODS FOR MAKING CAPACITOR
CONNECTIONS**Declaration Under 37 C.F.R. § 1.131**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This declaration is submitted under 37 C.F.R. § 1.131 for U.S. Patent Application Serial Number 09/706,576, to establish conception and actual reduction to practice of the invention claimed in U.S. Patent Application Serial Number 09/706,576, in the United States, on a date prior to June 30, 2000, which is the filing date of the United States Patent No. 6,402,793; issued to Miltich et al.

I, Brian L. Schmidt, declare and say as follows:

1. I am a sole inventor of the subject matter of the pending claims in the above-identified Application.
2. The subject matter claimed in the patent application was invented while the I was employed by the Cardiac Pacemakers, Inc. subsidiary of Guidant Corporation.
3. The following documents are submitted as evidence of conception and actual reduction to practice of embodiments of the invention as disclosed in the United States Patent Application having Serial Number 09/706,576.
4. Prior to June 30, 2000, I conceived embodiments of the invention in the United States as evidenced by a copy of a signed lab notebook page, attached hereto as Exhibit 1.

Declaration Under 37 C.F.R. § 1.131

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5. The lab notebook page of Exhibit 1 was prepared by me prior to June 30, 2000, with the date being masked.

6. Prior to June 30, 2000, an embodiment of the claimed subject matter which was rejected under 102(e) was reduced to practice in the United States. Under my direction a capacitor was constructed at Guidant in St. Paul, MN incorporating a conductor welded between the case and cover interface, substantially as shown in Exhibit 1. Exhibit 2 is a Special Work Order for the capacitor built. On page 2 of Exhibit 2 it is seen that the capacitor built had a "Cathode Tab between cover and case Welded During Can Weld." The capacitor built under the work order of Exhibit 2 was built before June 30, 2000, with the date being masked. The capacitor built under the work order of Exhibit 2 was successfully tested under my direction, again prior to June 30, 2000.

7. I further declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

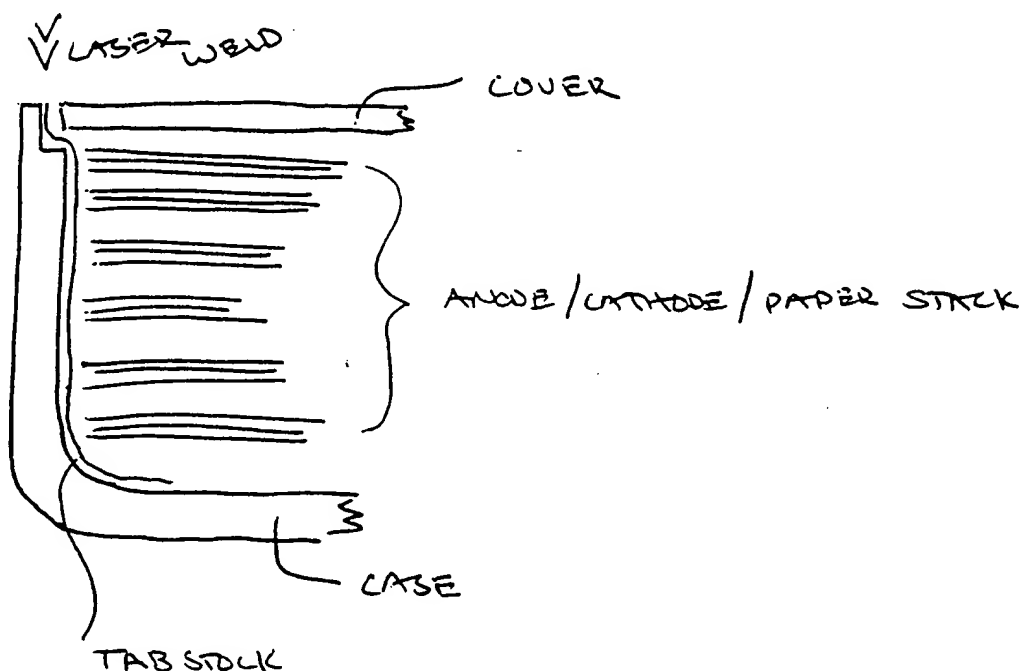
JULY 11, 2005

Dated



Brian L. Schmidt

INVENTION: AN IMPROVED METHOD TO CONNECT THE CATHODIC TAB STOCK OF A FLAT LAPACITOR TO THE CASE, USING A MINIMUM OF Z HEIGHT.



ADVANTAGES: 1) DOES NOT REQUIRE TAB STOCK TO BE FOLDED OVER ON TOP OF TAB STACK, USING EXTRA Z-HEIGHT
2) ELIMINATES U/S WELDING PROCESS

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Read & Understood by me,

Date

Invented by

Date

Recorded by

SPECIAL WORK ORDER

NON IMPLANTABLE - NOT FOR USE IN HUMANS

SWO # 8949

REQUESTER	PERFORMING DEPT.	PRODUCTION CONTROL
FROM MHEK WISNIEWSKI	SUPERVISOR APPROVAL <i>Black Hermon</i>	APPROVAL <i>Eng. Hark</i> DATE
DATE	DATE	DATE CLOSED
MGR. APPROVAL	PROTO	DEMO
<i>Black Hermon</i>	PILOT A	OTHER
		DEPT # 8731 PROJECT # 41550

*GOODS ISSUE COMPONENTS AS NECESSARY OTHERS MAY BE PROVIDED

*NOT FOR USE IN HUMANS IN THE COMMENT SECTION ON MATT

*REFERENCE SOP 5414

PURPOSE OF BUILD

QTY 10 DUE DATE

S/N OR L/N

1-10

Eng Carol Catharine Cross Build

SPECIAL INSTRUCTIONS

PRODUCT NAME
PART NUMBERS

Build 10 parts per attached sheet and Eng directions.
Contact Mike Ophelen with questions or Mark W
Mark parts with "not for use in humans" and
SW 8949 and 140

EXH. 2
Pg. 1

SCRAP P.S. ON MATT ?

YES NO X

CONTACT

FOR QUESTIONS AND WHEN COMPLETED

THE ORIGINAL SWO MUST BE RETURNED TO PRODUCTION PLANNING WHEN COMPLETED

COPIES : PINK WITH BUILD / WHITE PRODUCTION PLANNING

Guidant Form 569 A (4-99)

002

MANUFACTURING INSTRUCTION

EXH. 2

pg. 2

TABLE OF ASSEMBLY ORDER - 14 LAYER

TOP OF ASSEMBLY

P-1.2
C1-P
A8-P
C1-P
A5-P
C1-P
A2-P
C1-P
A6-P
C4-P
A3-P
C4-P
A7-P
C4-P
A4-P
C4-P
A8-P
C2-P
A4-P
C2-P
A5-P
C2-P
A2-P
C3-P
A6-P
C3-P
A3-P
TAB SPIDER-P-C2-P
A7-P
TAB SPIDER-P
P
P-1.2

BOTTOM OF ASSEMBLY

QUANTITY OF PARTS PER ASSEMBLY

PAPERS - 1.2	2
PAPERS - CATH	15
PAPERS - ANODE	44
ANODE BIG A	14
ANODE B	28
C1	4
C2	3
C3	3
C4	4
SPIDER	1
TABS-65mm	1
TABS-3mmX.004 X1/2 inch	14
STAKED SUBASSEMBLIES	
ANODE B wCLIP	14
A1	-
A2	2
A3	2
A4	2
A5	2
A6	2
A7	2
A8	2
TAB-SPIDER	1

STANDARD CONSTRUCTION BUILD

- UC 50 Double Papers, Cathode and Anode Type - UC 0.0012 Single Layer on Top & Bottom
- ~~15~~ Anode Layers
- Edge Clip Unaged, B2 Stake
- 3 Anode Potato Chip, ~~Winder Stake in one of 7 positions~~
- Smaller Size Cathode (Undersized from Anode)
- Butt Weld Anode Feed-thru (on top of welded edge clips)(gold/nickel wire NOT stripped)
- Stack Anneal (Gordon Anneal) Clamped to height of 0.240", approximately 12 hours @ 85 C (use 2 1.2 paper as spacers)
- Cathode Tab between cover and case Welded During Can Weld (Schmidt Cathode)
- Backfill - NO CLAMPING
- Seal backfill hole with kapton tape and small slit during all aging and test
- Clamping Beginning at Pre-Seal Age - unclamp AFTER final age, then final seal with disc glued onto backfill hole
- Gold/nickel ~~0.15~~ Wire Welded to Can for cathode connection (strip wire)

FLAT CAPACITOR ASSEMBLY